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NEWS 4 OCT 28 KOREAPAT now available on STN  
NEWS 5 NOV 30 PHAR reloaded with additional data  
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NEWS 8 DEC 15 MEDLINE update schedule for December 2004  
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB  
NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN  
NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED  
NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and  
February 2005  
NEWS 17 JAN 26 CA/CAPLUS - Expanded patent coverage to include the Russian  
Agency for Patents and Trademarks (ROSPATENT)  
  
NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:08:46 ON 26 JAN 2005

=> file medline, uspatful, dgene, embase, wpids, jicst, biosis		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 16:09:06 ON 26 JAN 2005

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=> s GFP or green fluorescent protein  
L1 67032 GFP OR GREEN FLUORESCENT PROTEIN

=> s l1 and mutation  
L2 11804 L1 AND MUTATION

=> s GFP mutant  
L3 525 GFP MUTANT

=> s l3 and l2  
L4 127 L3 AND L2

=> s l4 and (F64/E222/S175)  
'S175' IS NOT A VALID FIELD CODE  
'S175' IS NOT A VALID FIELD CODE  
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L5 0 L4 AND (F64/E222/S175)

=> s l4 and (F64 and E222)  
'E222' NOT FOUND  
The E# entered is not currently defined.

=> s l4 and (position F64)  
L6 2 L4 AND (POSITION F64)

=> d l6 ti abs ibib tot

L6 ANSWER 1 OF 2 USPATFULL on STN  
TI Fluorescent proteins  
AB The present invention provides novel engineered derivatives of  
**green fluorescent protein (GFP)**  
which have an amino acid sequence which is modified by amino acid  
substitution compared with the amino acid sequence of wild type  
**Green Fluorescent Protein**. The modified GFPs  
exhibit enhanced fluorescence relative to wtGFP when expressed in

non-homologous cells at temperatures above 30° C., and when excited at about 490 nm compared to the parent proteins, i.e. wtGFP. An example of a preferred protein is F64L-S 175G-E222G-GFP. The modified GFPs provide a means for detecting GFP reporters in mammalian cells at lower levels of expression and/or increased sensitivity relative to wtGFP. This greatly improves the usefulness of fluorescent proteins in studying cellular functions in living cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:179250 USPATFULL  
TITLE: Fluorescent proteins  
INVENTOR(S): Stubbs, Simon Lawrence John, Amersham, UNITED KINGDOM  
Jones, Anne Elizabeth, Amersham, UNITED KINGDOM  
Michael, Nigel Paul, Amersham, UNITED KINGDOM  
Thomas, Nicholas, Amersham, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004138420	A1	20040715
APPLICATION INFO.:	US 2004-757624	A1	20040114 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-967301, filed on 28 Sep 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2001-9858	20010423
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AMERSHAM BIOSCIENCES, PATENT DEPARTMENT, 800 CENTENNIAL AVENUE, PISCATAWAY, NJ, 08855	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	1267	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 2 USPATFULL on STN

TI Fluorescent proteins

AB The present invention provides novel engineered derivatives of **green fluorescent protein (GFP)** which have an amino acid sequence which is modified by amino acid substitution compared with the amino acid sequence of wild type **Green Fluorescent Protein**. The modified GFPs exhibit enhanced fluorescence relative to wtGFP when expressed in non-homologous cells at temperatures above 30° C., and when excited at about 490 nm compared to the parent proteins, i.e. wtGFP. An example of a preferred protein is F64L-S175G-E222G-GFP. The modified GFPs provide a means for detecting GFP reporters in mammalian cells at lower levels of expression and/or increased sensitivity relative to wtGFP. This greatly improves the usefulness of fluorescent proteins in studying cellular functions in living cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:251073 USPATFULL  
TITLE: Fluorescent proteins  
INVENTOR(S): Stubbs, Simon Lawrence John, Amersham Buckinghamshire, UNITED KINGDOM  
Jones, Anne Elizabeth, Amersham Buckinghamshire, UNITED KINGDOM  
Michael, Nigel Paul, Amersham Buckinghamshire, UNITED KINGDOM  
Thomas, Nicholas, Amersham Buckinghamshire, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003175859	A1	20030918
APPLICATION INFO.:	US 2001-967301	A1	20010928 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2001-9858	20010423
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AMERSHAM BIOSCIENCES, PATENT DEPARTMENT, 800 CENTENNIAL AVENUE, PISCATAWAY, NJ, 08855	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	1284	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

=> s 14 and (position E222)  
'E222' NOT FOUND  
The E# entered is not currently defined.